Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/03/2021 09:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124622	-1	2.93	124643	2.95
Blue	F	SSC	125000	123763	-1	4.00	124505	3.96
Blue	E	FITC	14203	13771	-4	3.20	300	15.10
Blue	D	PE	25703	25352	-2	2.89	550	10.86
Blue	B	PerCP-Cy5-5	42104	40864	-3	3.53	912	14.46
Blue	A	PE-Cy7	34646	34319	-1	4.79	488	29.57
Red	C	APC	49824	49206	-2	3.19	1504	11.44
Red	A	APC-Cy7	39773	38947	-3	3.18	725	11.87
Violet	B	V450	7447	7087	-5	4.15	399	13.16
Violet	A	V500	31193	30033	-4	3.88	682	10.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21775	3.07	550	-6	N/A	N/A	Pass
Blue	F	SSC	54830	3.29	514	2	N/A	N/A	Pass
Blue	E	FITC	55	55.60	484	-2	0.0467	274	Pass
Blue	D	PE	108	39.92	486	1	0.3896	321	Pass
Blue	B	PerCP-Cy5-5	173	35.58	576	-1	0.0200	55	Pass
Blue	A	PE-Cy7	111	64.86	621	1	0.0218	3	Pass
Red	C	APC	351	23.96	569	2	0.0282	110	Pass
Red	A	APC-Cy7	200	24.56	546	2	0.0061	533	Pass
Violet	B	V450	88	43.61	449	0	0.0462	1841	Pass
Violet	A	V500	119	32.23	467	0	0.0257	1257	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.34	-31.93	1.04
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.39
Red	20.68	15.99 - 23.99	N/A	N/A	30.24	30.54	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10405

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments